

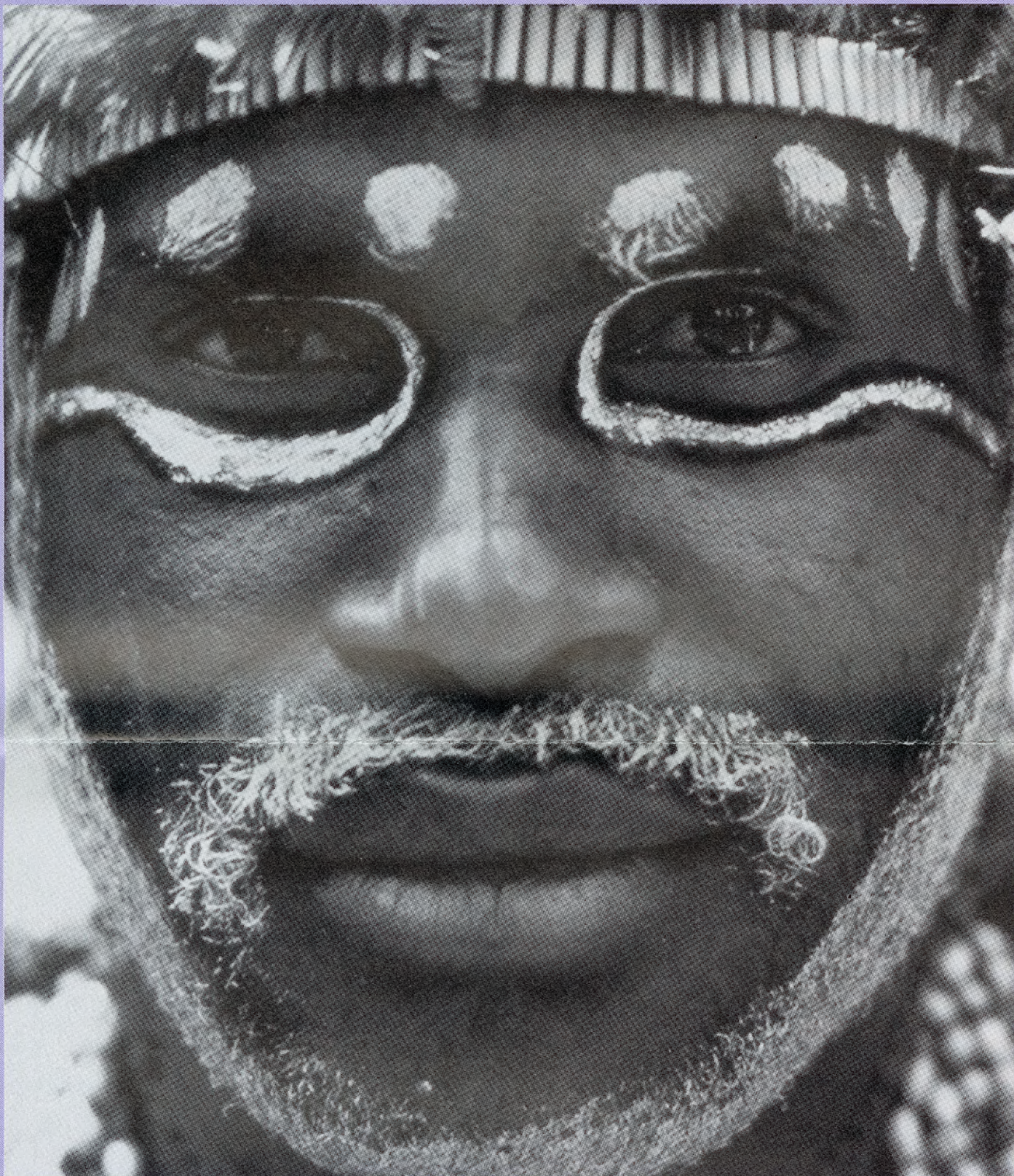
ACADEMY

Newsletter

DEDICATED
TO SCIENTIFIC
RESEARCH AND
EDUCATION,
INSPIRING
RESPECT FOR
THE NATURAL
WORLD



MEMBERS MEETING



Art Wolfe

ENDANGERED PEOPLES

with Art Davidson * Wednesday, September 14 * 2 and 7:30 p.m.

Today, indigenous peoples are demanding liberation and asking for understanding of their way of life. They seek the return of their lands and the right to determine their future. Over the course of human history, tribal peoples have emerged, migrated, joined with others and faded away. But in our time, as never before, distinct cultures and communities are vanishing almost overnight.

Author Art Davidson will present a slide-illustrated lecture on the history of indigenous peoples' struggle for survival and recognition of their rights around the world. "The battle lines of cultural survival cross every continent," writes Davidson in the introduction of his book *Endangered Peoples*. "In virtually every country, indigenous peoples are fighting for their lives, their identities, their futures."

In researching his book, Davidson traveled tens of thousands of miles interviewing people whose lives and lands are threatened — whether by oil development, by large dam projects that flood their ancestral homes, by loss of their religious freedom, by famine and drought, or by political and economic strife. He will describe the crises facing the Taureg, Yup'ik, Maasai, Igorots, Ainu, Sami, Yanomami, Maori, Sarawak, and others.

A book-signing will follow the program outside the Academy bookstore in Cowell Hall. Both stores will be open before and after the programs.

Please present your membership card at the Academy entrance and again at the auditorium. Members meetings are provided as a benefit of membership and thus are only open to Academy members.

NEW EXECUTIVE DIRECTOR

William Kimball, chair of the Academy's board of trustees, announced in July the unanimous decision of the board to appoint Dr. Evelyn Handler as the next executive director of the California Academy of Sciences. Dr. Handler will assume her duties on October 1, 1994.

A distinguished biologist, an experienced administrator and a proven leader, Dr. Handler has a strong scientific background and a consummate interest in education. Dr. Handler succeeds Roy Eisenhardt who resigned the position on May 15 following five years of outstanding leadership. Dr. John McCosker, who has been serving as acting director of the Academy, will continue in that capacity until Handler's arrival.

"We are fortunate to have someone of Dr. Handler's distinction to lead the Academy at a time of heightened public awareness of the fragility of our natural environment," Kimball said. "Looking ahead to the challenges and opportunities as we move into the next century of science and learning, we are delighted to bring her unique talents to the position."

Dr. Handler received her bachelor of arts degree in

physiology and chemistry from Hunter College in 1954, and a master of science and doctorate in biology in 1962 and 1963, respectively, from New York University. From 1962 to 1977, she was on the faculty of Hunter College of the City University of New York. Her research on hematopoiesis was supported by both National Institutes of Health and National Science Foundation grants. She was appointed, in 1977, to dean of the division of sciences and



Susan Middleton

mathematics at Hunter.

From 1980 to 1983, Dr. Handler was president of the University of New Hampshire. From 1983 to 1991, she was president of Brandeis University. Subsequently, she served as scholar in residence and associate in education at Harvard University.

NEW RECIPROCAL MUSEUM LIST

A revised list of reciprocal admission to museums is now available for members. The list includes 168 museums, science centers, planetariums, aquariums and similar institutions in 44 states and seven countries, where admission is free for members of the Academy. We've recently added thirteen new museums to the list!

The reciprocal admission list is a great benefit of your Academy membership. In the Bay Area, the list includes the Lawrence Hall of Science in Berkeley, the Lindsay Museum in Walnut Creek, and The Tech Museum of Innovation in San Jose. Stop by the membership desk at the main entrance and ask for your copy on your next visit to the Academy.



Journey—Mother Earth

to the sky and listen to the birds in a astronomy and ornithology in a mul-
tance. In this return visit, Maria Emília
ty and plight of the birds of Brazil's
a trip through the cosmos.

A. spacecraft images of our solar sys-
tem's theme is played on the piano by
Maria Emília. Journey down the Milky
Way, listen to the unique voice of Tetê
in bird song imitations complemented
that is a blend of viola and bandolin).
\$8 member/\$10 nonmember. Call
to reserve. — Sept. 27 & 28, 7:30 p.m.

mes

the farthest, the fastest, the hottest, ... and
the "outer space place," takes you on a
at cosmic record-holders. Gaze upon the
the maw of the biggest volcano ever seen; or
most luminous star. Presentations at 2 p.m.
weekends, from Sept. 16–Nov. 27.

and the Stars

the collision of Comet Shoemaker-Levy 9
"SETI" continues daily at 2 p.m. weekdays/2
ward on weekends only at 1 and 3 p.m.
"ON" shows at 3:30 p.m. weekdays/1 and 3
"LK," a tour of the night sky, shows at 12:30
"OUCH THE STARS," a family show, is pre-
shows will be featured on weekends only).
5 for show changes. See above article for
6.

the Moon

20, 1969, man first stepped off planet Earth
by Chaikin's new book, "A Man on the Moon:
at the glory of the era of moon exploration.
of the living astronauts and many technical
aim to give his readers an intimate view of
ght the Apollo program and its continuing
Benjamin Dean Lecture Series.
nk Drake from the SETI Institute on Oct. 18;
nd Dr. Carol Stoker from NASA on Dec. 6.)

s are available at the door on standby basis.
more information.



NASA

ADULT AND FAMILY EDUCATION

*New this fall! Academic credit avail-
able through San Francisco State Uni-
versity for four of the Academy's adult
education courses. Here are two of the
four courses granted this privilege
(1 credit each):*

Biological Illustration

Students of every ability, from
those who have never drawn to
those seeking to perfect their



skills, are
introduced to
illustrating the
forms of
nature. In-
structor Dr.
Charles Stasek
will explore
shaded pencil,
stippled ink,
line, coquille

and scratch boards, and shading
film techniques. A portion of each
class is devoted to a critique
session, providing individual
attention.

*Oct. 6 to Nov. 17 (7 Thurs.), 7–10 p.m.
Cost: \$110 members/\$125 nonmem-
bers (plus \$35 for optional SFSU
credit)*

Science Libraries and Alternative Resources

Here's a unique opportunity for
you to learn how to use both
traditional science library resources
and alternative research methods.
Pennington Ahlstrand, Anne Malley
and Teresa Meikle will cover topics
that include the workings of a
library, research skills and prepara-
tion, monographs, periodicals,
archives, CD-ROM resources and
internet. Also included will be a
close look at the Academy's Library
and Biodiversity Resource Center.

*Oct. 11 to Nov. 29 (8 Tues.), 7–9 p.m.
Cost: \$110 members/\$125 nonmem-
bers (plus \$35 for optional SFSU
credit)*

For more information on these and
other courses offered through the adult
and family education program, call our
office at 750-7100.

Witness: North American Endangered Species

One hundred photographs taken
by Academy photographers David
Liittschwager and Susan Middleton
for the "Witness: North American
Endangered Species" book and ex-
hibit will be the cover story of Life
Magazine's September issue.

The book, to be released in Oc-
tober, will be sold in the Academy
Store and includes an introduction
by E.O. Wilson, a leading authority
on biodiversity and a two-time
Pulitzer Prize winner. Sixty percent
of royalties from all book sales will
go toward Academy research and
education. Plus, if you purchase
the book through the Academy's
store, additional proceeds also
benefit the Academy.

Look for details about the ex-
hibit in the October newsletter!

SPECIAL LECTURES

Global Horizons and Rocky Shores

Biological responses to human impacts reverberate
throughout the environment. The end result often is
an overall outcome that is much greater than the initial
simple changes. Dr. Jane Lubchenco will discuss the
importance of being cautious in initiating environmen-
tal change.

*September 10, 6:30 p.m.
\$6 members/\$8 nonmembers*



Gorilla Tactics

*Third in a Series of Lectures by Internationally Recog-
nized Conservationists, Co-Sponsored by the Wildlife
Conservation Society*

The three sub-species of gorilla — the mountain gorilla,
Grauer's gorilla, and the western lowland gorilla — are
geographically isolated from each other across the
African forest zone and differ widely in their conserva-
tion needs. The key to their conservation success is a
mix of adaptive strategies for each of the three gorilla
populations.

Dr. Amy Vedder, director
of the Africa Program for the
Wildlife Conservation Soci-
ety, is widely known for her
research in primatology,
forest ecology, and conser-
vation biology. Her pioneer-
ing studies of the feeding
ecology and population
dynamics of free-ranging
mountain gorillas in Rwanda



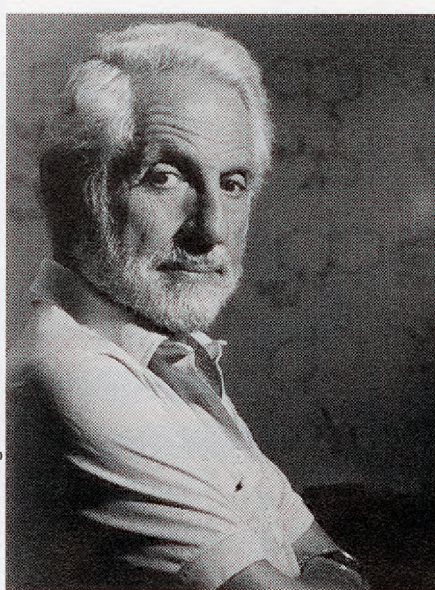
Walt Lynott

during the late 1970s provided the background for
launching the Mountain Gorilla Project. By involving
the Rwandan government and local people in saving
the mountain gorillas, through park jobs and
ecotourism, the project helped increase the gorilla
population of 254 in 1981, to well over 300 by 1989.
She will discuss conservation approaches and give an
update on the current unrest in Rwanda and how it is
affecting conservation efforts there.

*October 18
Lecture, 7:30 p.m.; \$6 members/\$8 nonmembers
Reception only, 6 p.m.; \$30 members/\$35 nonmembers*

Science In Fiction and the Real Folks Behind Jurassic Park

A vast gulf exists between the world of science and that
of the liberal-arts educated public. Few have bridged
that gulf as well as noted Stanford Chemistry Professor



Robert Holmgren

Carl Djerassi (alias the "father"
of the birth control pill),
whose second career as a
writer of "science in fiction" is
pulling the two worlds a little
bit closer.

Recipient of 15 science
awards and 12 honorary
doctorates, author of 1,200
scientific articles and seven
scientific books, Dr. Djerassi
invites those of us who don't
do hard science to learn about

those who do — in his newest work of fiction, *The
Bourbaki Gambit*. Through a special literary genre,
science in fiction, he illuminates the tribal culture of
scientists, rather than dwelling on the science they do.

Djerassi, now 70, reveals how inherently collegial
and competitive the scientific tribe is, how driven it is
by the need for recognition, and talks about the graying
of Western science. While discovering what it is that
makes scientists tick, we learn how the Nobel Prize-
winning PCR methodology — glossily popularized in
the film, *Jurassic Park* — was actually developed.

*October 19, 7:30 p.m.
\$6 members/\$8 nonmembers*

Special lectures are presented in the auditorium by experts in
various aspects of natural history. Please use order form for tickets.
For more information, call 750-7128.

THE
ACADEMY
STORE



BACK TO SCHOOL ACADEMY STYLE — BE PREPARED AND AWARE

- Backpacks with animal, fish and dino designs \$19.95
Reusable canvas lunch bags in assorted animal prints \$8.95
Lunch boxes with carrying strap printed with aquarium fishes \$17.95
“Cookies on the go” tin containers \$6.95
(Plus Member Discount!)

SEPTEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	SPECIAL EXHIBITS: Monarca...butterfly beyond boundaries, through Sept. 18 Wildlife Photographer of the Year, through Oct. 10 Hands on Science, through December 1995 Birds of a Feather, through June 1995			1	2	3 FISH ROUNDABOUT closed for repairs
4 PLANETARIUM SKY SHOWS on weekdays at 2 p.m.	5 Labor Day, “Echoes From the Moon” last sky show today (Planetarium)	6 Summer Hours End The Academy will be open from 10 a.m. to 5 p.m.	7 Free Day First Wednesday of each month	8 PLANETARIUM SKY SHOWS on weekends at 11 a.m., and at 12, 1, 2, 3 and 4 p.m.	9 SCIENCE IN ACTION General programs, Sun.–Fri., 11 a.m. Children’s programs, Sat., 12:30 and 3 p.m.; this month’s topic is the <i>Everglades</i> .	10 Global Horizons, 6:30 p.m. (Special Lectures) Nicaraguan Regional Dances, 1 p.m. (Traditional Arts)
11  <small>Susan Middleton</small>	12 The planetarium will be closed Sept. 12–15 for show changes	13 PENGUIN FEEDINGS are at 11:30 a.m. and 4 p.m. every day	14 Endangered Peoples, 2 & 7:30 p.m. (Members Meeting)	 <small>Art Wolfe</small>	16 Planetarium reopens with new sky show “Extremes”	17 Ukrainian Folk Music, 1 p.m. (Traditional Arts)
18 “Monarca...butterfly beyond boundaries” exhibit closes	19 DOLPHIN FEEDINGS are at 10:30 a.m., and 12:30, 2:30 and 4:30 p.m. every day	20 A Man on the Moon, 7:30 p.m. (Planetarium Lecture)	21 LASERIUM SHOWS Thursday–Sunday, evenings, call 750-7138	22 Autumnal Equinox, 11:19 p.m.	23	24 Latin American Popular Songs, 1 p.m. (Traditional Arts)
25 MEMBERS Please bring your membership card when you visit the Academy	26	27 Interplanetary Journey–Mother Earth, September 27 & 28, 7:30 p.m. (Planetarium Special Program)		29	30 SPECIALTY TOURS Free one-hour tour at 1:30 p.m. on Tuesdays, in Aquarium; Wednesdays, in Life Through Time; Thursdays, in Wild California. Highlight tours are offered daily.	

OCTOBER DATES TO REMEMBER:

- Oct. 8 - A Spacecraft Tour of the Solar System (Smithsonian Lecture)
Oct. 9 - A Close-up Look at Mars (Smithsonian Lecture)
Oct. 18 - Gorilla Tactics (Special Lectures)
Oct. 19 - Science in Fiction (Special Lectures)
Oct. 29 - “Witness: Endangered Species of North America” exhibit opens

UPCOMING MEMBERS MEETINGS:

- Oct. 12 - Members Open House (6–9 p.m.)
Nov. 16 - Spiders, with Charles Griswold
Dec. 14 - Insects, with Richard Arnold

California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

ORDER FORM

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The Academy includes the Natural History Museum, Steinhart Aquarium and Morrison Planetarium. Open every day from 10 a.m. to 5 p.m. July 4–Labor Day we’re open until 7 p.m.

VISITOR SERVICES

Academy Information: 415-750-7145
Academy Store: 750-7330
Admissions: 750-7159
Aquarium: 750-7247
Biodiversity Center: 750-7361
Development Office: 750-7216
Docent Tours: 750-7155
Education Office: 750-7100
Group Information: 750-7043
Job Hotline: 750-7333
Laserium: 750-7138
Lectures: 750-7128
Library: 750-7102
Membership Office: 750-7111
Planetarium: 750-7141
Planned Giving: 750-7216
Security: 750-7000
Switchboard: 221-5100
Travel: 750-7348
Volunteer Services: 750-7154
Weekend Information: 750-7375

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SPECIAL LECTURES	Qty/Mem.	Qty/Nonmem.	Total
Global Horizons and Rocky Shores / Sept. 10	x \$6	x \$8	=
Gorilla Tactics / Oct. 18 Lecture Reception Only	x \$6 x \$30	x \$8 x \$35	=
Science in Fiction and the Real Folks Behind Jurassic Park / Oct. 19	x \$6	x \$8	=
MORRISON PLANETARIUM			TOTAL \$
A Man on the Moon / Sept. 20	Quantity x \$2		Total =
DONATIONS			TOTAL \$
I would like to support the Academy's work with a donation.			\$
TOTAL PAYMENT ENCLOSED			\$

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